

Keer Sun

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Unit 7202, 21 Wellesley College Road, Wellesley, MA 02481

EDUCATION

Wellesley College, Wellesley, MA

Expected Graduation May 2020

Candidate for Bachelor of Arts in Computer Science and Philosophy

- *Relevant Courses:* Computer Programming, Web Development, Data Structures, Human-Computer Interaction, Algorithms, Computer Systems, Theory of Computation (Current), Computational Biology (Current), Machine Learning (Spring 2020)

Massachusetts Institute of Technology, Cambridge, MA

Winter/Fall 2018

- *Relevant Courses:* Artificial Intelligence and Global Risks, Ethics

WORK EXPERIENCE

Chegg Inc., New York, NY

Summer 2019

Software Engineering Intern

- Created and wrote the code for an advertisement-free portal for students on the Easybib platform
- Contributed to the winning interns' team project; designed a new product to be developed by Chegg

Sloan Automotive Laboratory, Massachusetts Institute of Technology, Cambridge, MA

Summer 2018

Research Assistant

- Created a video processor to help compare oil distribution within pistons of combustion engines that decreased processing time using Matlab
- Utilized a test-driven development workflow to optimize the functionality of video processing application

Wellesley Engineering Lab (We-Lab), Wellesley, MA

Summer 2017

Lab Assistant

- Built and rebuilt 12 Arduino operated lego cars with pressure and light sensors for incoming engineering students to help students learn to program an Arduino microcontroller
- Coordinated tasks between lab assistants and the professor on a daily basis

LEADERSHIP EXPERIENCE

Wellesley Engineering Society, Wellesley, MA

Fall 2017 - Spring 2019

Project Manager and Publicity Chair (Fall 2017- Spring 2019)

- Led team efforts to design a bus tracking system; organized meetings and oversaw project development
- Facilitated communication between the faculty and student body to increase membership

SKILLS

Computer: Java, Python, React, JavaScript, HTML, CSS, MatLab, C, Arduino, CAD, Microsoft Office Suite (Word, Excel, PowerPoint)

Machine Operation Skills: Limited training on horizontal lathe, mill, drill press, deburring, vertical band saw

Languages: Chinese (Native), English (Native)

PROJECTS

Emoji Maestro

HackMIT, MIT, Cambridge, MA

Fall 2019

- *Worked with 3 others to produce a Facebook chatbot that utilizes sentiment analysis to recommend songs based on an input emoji*
- *Scraped playlists from the web and created algorithm that outputs the recommended song*

Wendy's World

Data Structures, Wellesley College, Wellesley, MA

Fall 2018

- Worked in groups of 3 to produce a choose your own adventure game for course final project
- Wrote ~1000 lines of Java code

Delayed Toilet Flusher

Fundamentals of Engineering, Wellesley College, Wellesley, MA

Spring 2016

- Worked in groups of 2 to create an Arduino operated robot that delayed toilet flush time by 10 seconds to automate the process
- Resulted in cleaner and more sanitary facilities in the Wellesley Child Study Center